5 - Disassembly Instructions

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Disassembly Instructions

General requirements

Use the correct ESD protection before handling the RH-37 product.

Use gloves to handle the RH-37 product.

Required tools:

- torx 6 screwdriver, for disassembly
- torx 6 torque-driver, set to 28Ncm torque for reassembly
- slotted screwdriver
- tweezers
- SS-42 camera removal tool
- SRT-6 opening tool
- DC-plug

Note: When shielding lids are removed from the shielding frames of the PWB, new lids must be used in order to close the shielding properly. It is not allowed to re-use the removed ones.

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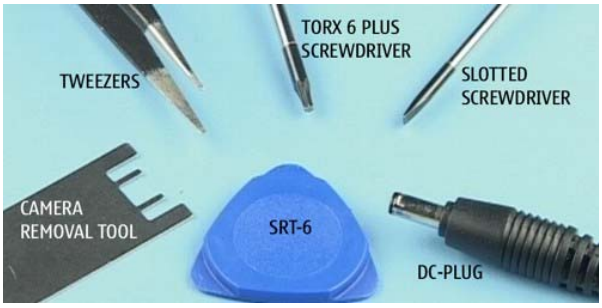
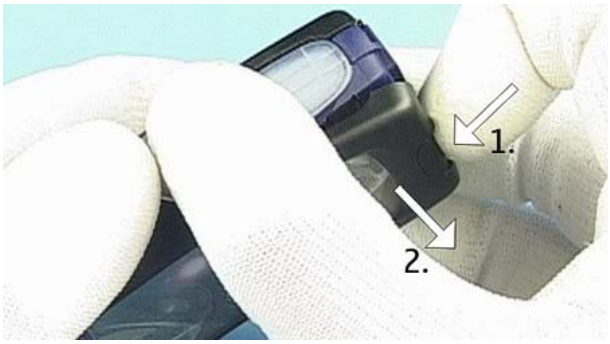
Detailed disassembly instructions



Needed tools for disassembly.

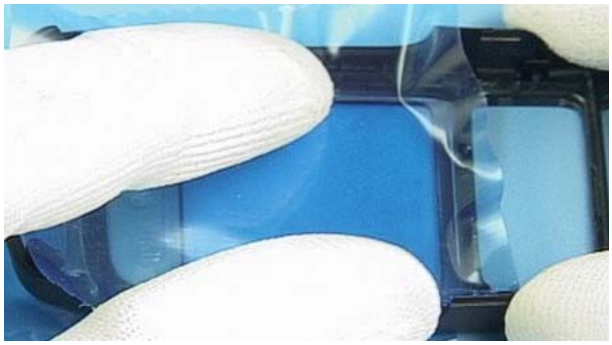
Protect the Window with a plastic film.



Press the C-Cover Lock before pulling the C-Cover.

Protect the Camera Window with a plastic film.

Lift the topside of the A-Cover and then remove it carefully.



Also protect the inner side of A-Cover with a plastic film.

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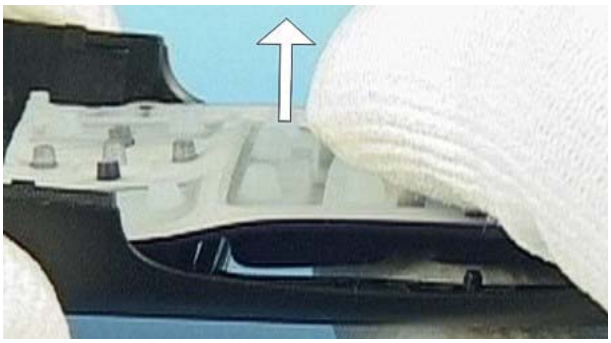
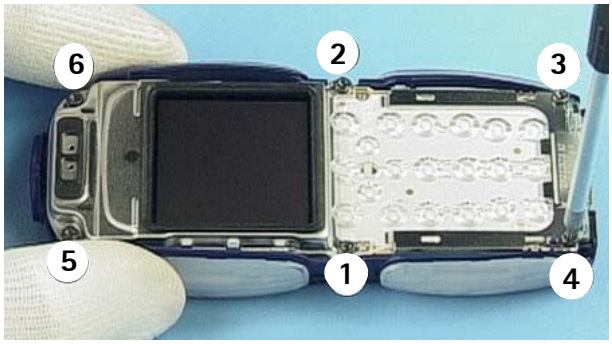
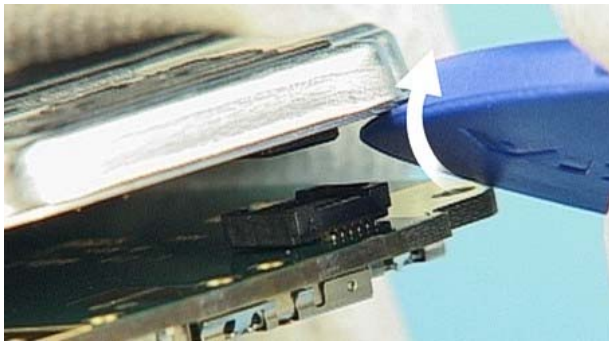


Remove Keymat.



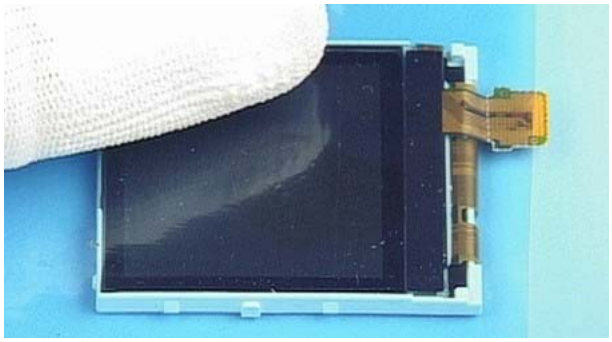
Unscrew the six Torx Plus® size 6 screws. For assembly, the reverse order and a Torx Plus® driver with a torque of 28Ncm has to be used.

Separate the Modules from B-Cover.



Open the LCD Connector with SRT-6 carefully.

Use SRT-6 to separate the LCD-Module from UI-Shield.



Protect the LCD-Module with a plastic film.

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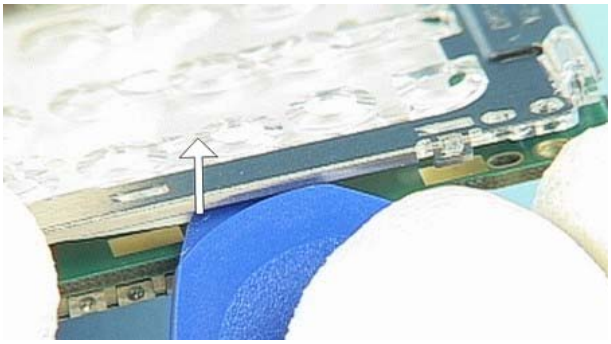
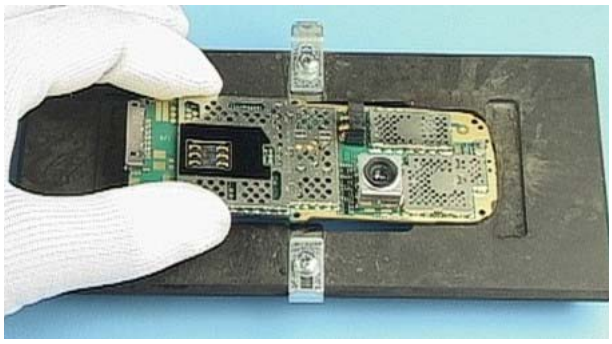
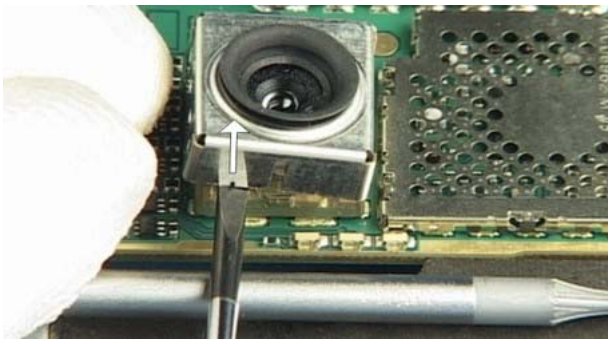


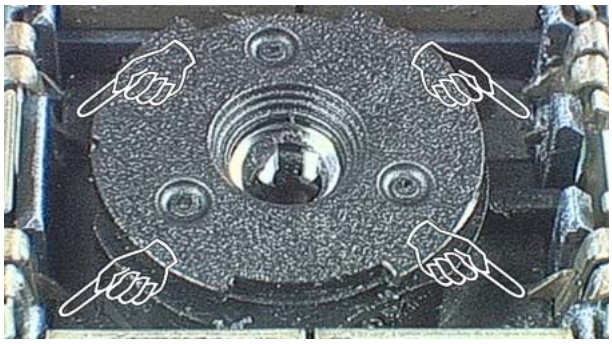
When changing the Light Guide Assy use SRT-6 as a lever. Keep in mind that Dome Sheet is glued to the Engine Module.



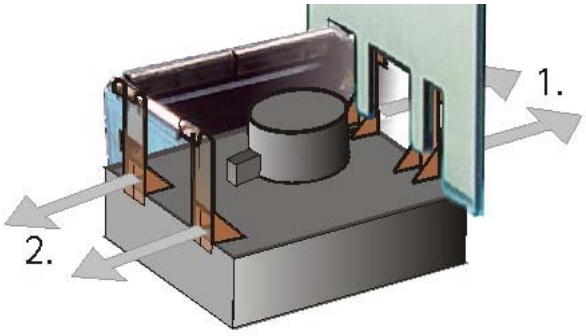
Put the Engine Module into the Soldering Jig.



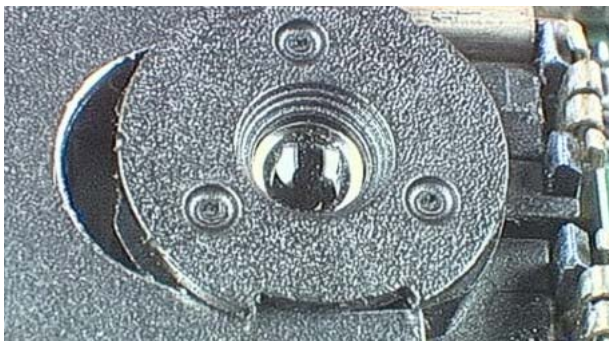
Use a slotted screwdriver as a lever to open the Camera Shield.



Camera Module is attached with four double snaps into its guidance.



Place the removal tool as shown in the picture and unlock the snaps on both sides. Note releasing order.



Remove the Camera Module with the removal tool as shown in the picture.

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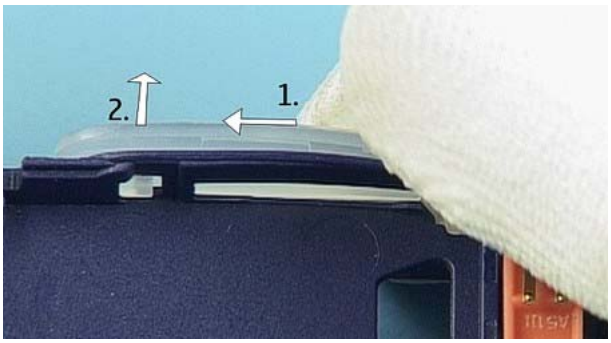
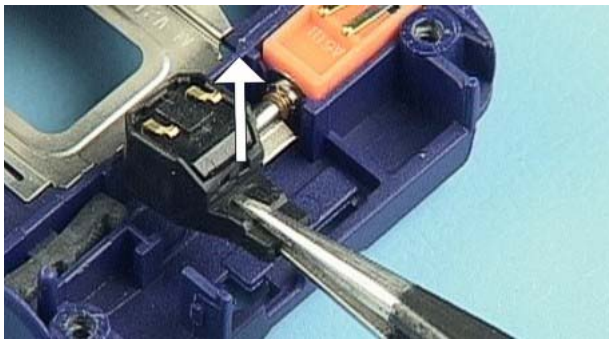


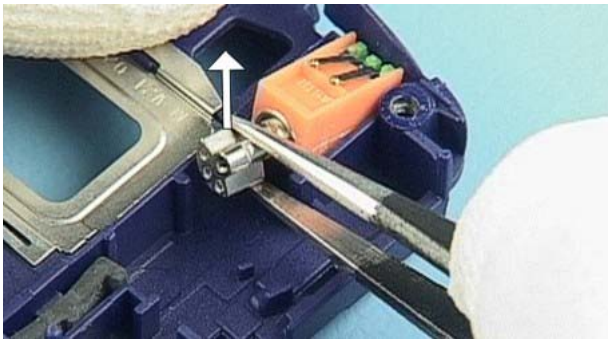
All Gel Grips are attached to the B-Cover with hooks. Slide the Gel Grip as shown in the picture to unlock the hooks.

The numeric characters of the Grips are for place identification only.

Use the DC-Plug to remove the DC-Connector.



Tweezers can be used to remove the Microphone.



Tweezers can also be used to remove the Vibra Motor.

Push down the clip of the IHF Lid Assy to release the Lid and the Power Key.

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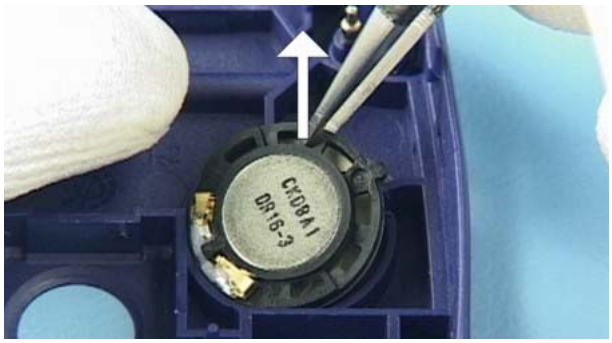
The parts drop out easily.



IHF Speaker can be removed with tweezers. Note the guiding pin while re-assembling.

Push out the Blind Plug by using a screwdriver.

Note: If a new B-cover is used, a torque setting of 28Ncm and speed in the range of 400 - 600 rpm is required to cut the new thread.

Caution: The display connector is fragile. Movement of the display module/UI shield assembly can damage the solder joints of connector on the display module or phone PWB. Ensure it is held in place during unscrewing and screwing.

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Dome Sheet Placement

Since the dome sheet has to be removed before every soldering process a new dome sheet needs to be placed between the PWM and light guide.

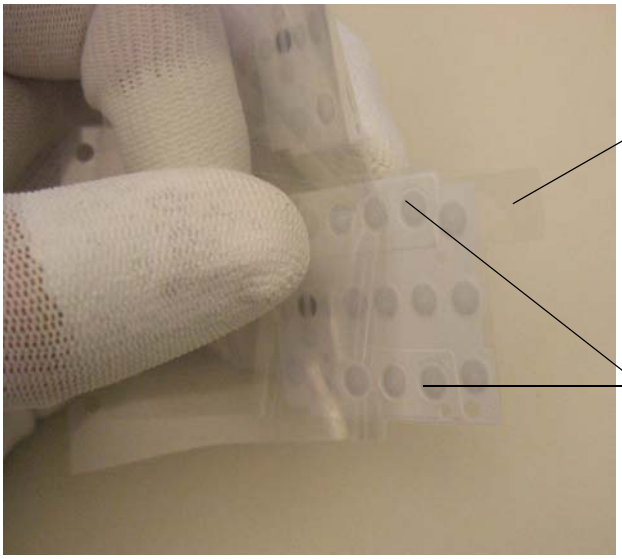
Note: In some regions the lightguide assembly (which includes the lightguide,the metalframe and the domesheet) will be replaced as one part (this is the preferred procedure). The description below is needed, when the domesheet needs to be replaced separately, which is not the preferred procedure.

Cleaning

The PWB needs to be cleaned and all remaining material from the old dome sheet needs to be removed. In some regions there is the possibility to exchange the dome sheet separately (not together with the light guide assembly), then the light guide needs to be cleaned as well.

Placing the dome sheet to the light guide

The dome sheet is delivered on transparency foil. First step is to remove the dome sheet from the foil, where you need to ensure that the complete dome sheet is lifted and the protecting foil on the other side of the dome sheet still sticks on the dome sheet. Please see picture below:



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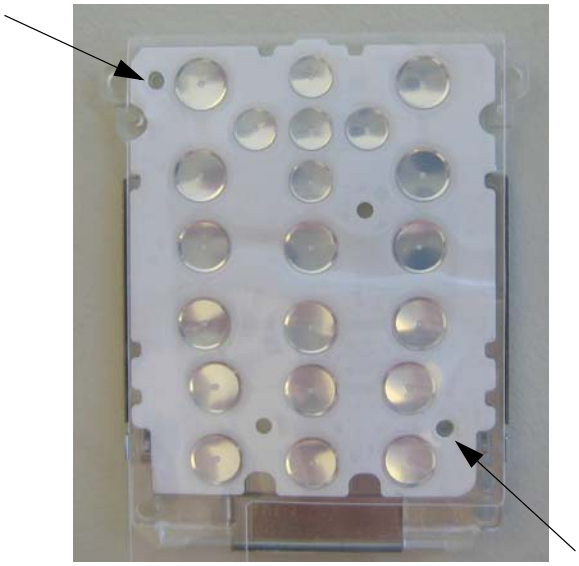
Place the dome sheet onto the cleaned light guide and press them firmly together.

Take care, that the holes of the domesheet align exactly with the holes on the light-guide.



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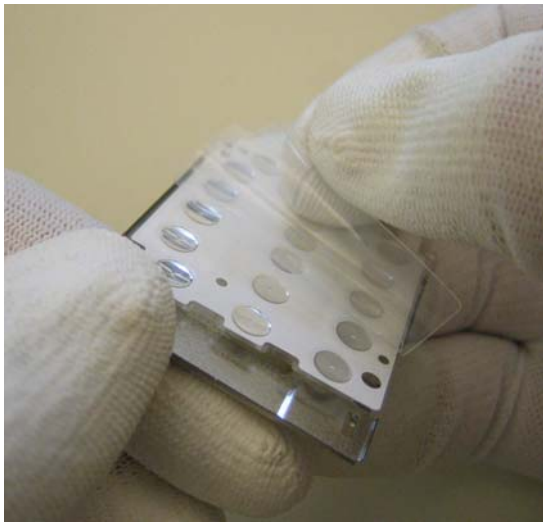
Placing the light guide assembly onto the PWB

In some regions there is the possibility to order the light guide assembly including the dome sheet. In any case the protecting foil needs to be carefully removed from the dome sheet.



Then place the assembly to the PWB and press it firmly together.

Note: It is very important to press the light guide assembly and the PWB properly together at any point. If some points are not pressed properly together dust and humidity will sneak between PWB and dome sheet and will cause corrosion, which lead usability problems and to a defect which might lead to a total loss of the phone.

Now you can be continue with the assembly procedure.

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